

RAILWAY LOCOMOTIVES AND CARS

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Sperry Products, Inc.: Electronic Bearing Tester, Apr 6*

Spokane, Portland & Seattle: Quartering Machine Adapted for Boring Motor Support Bearings, Nov 68*

Sprayer, DeVilbiss Portable Paint, July 66*
Spring Packing Corp.: Esey Carliner Panels, Sept 6*
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Standard Railway Equipment Mfg. Co.: Steel and Wood Box Car End Liners, Nov 33*
Start Pilot Corp.: Diesel Engine Starting Capsules, Aug 6*
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Stokes, F. J. Corp.: Impregnator for Pakistan Railways, Feb 66*

Strainer, Watts All-Brass Air and Gas, June 76
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Sun Electric Corp.: Cylinder Leakage Tester, Mar 65*

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Teflon; Continental-Diamond Fibre Corp., Apr 94
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Thor Power Tool Co.: Air Grinder, Jan 18*; Portable Sander, Feb 10*

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Ridge Pipe and Bolt, June 82*

Timken Roller Bearing Co.: To Build New Research Laboratory, Jan 8

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Toledo, Peoria & Western: Motor Truck Used for Wheel Handling, Feb 48*

Toledo Pipe Threading Machine Co.: Aluminum Wrenches, Sept 92*

Tongs, Humpstead Heavy-Duty Automatic, Nov 78*

Torch, Morton Miniature Blow, June 76*

Traction Motor Armatures, Glass Tape for, Dec 38*
Traction Motor Main Poles and Interpoles, How Erie Handles, Feb 69*

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Traction Motors:
Handling Flashovers, Mar 78*
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Trane Co.: Air Conditioning System Tested in H&M Car, Mar 56*

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Youngstown Steel Door Co.: Plug Door for All-
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Ages, R. L., Sept 108
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Alcock, George W., Feb 20
Allke, W. A., Jan 6
Allen, H. E., Feb 16
Allen, Abram C., Oct 14
Allen, John T., May 14
Almon, William J., Apr 14
Alston, Ralph, Feb 16
Alway, W. W., Apr 12
Anderson, G. R., Jr., Sept 113
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Baker, William A., Apr 14
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Ball, Frederick S., Feb 20
Bailey, G. D., Mar 84
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Baney, H. B., Feb 16; Mar 84
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Bartel, Harry R., Oct 58
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Bayner, Blair E., Oct 12
Beard, Clarence, May 14
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Beischer, G. M., Mar 86
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Bennett, Kenneth V., Feb 82
Benson, Daniel A., July 10
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Bergman, Oscar, Apr 18*
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Lindh, Leonard W., Aug 79
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Lockwood, J. J., Aug 12
Loomis, Daniel P., Sept 10
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Lowe, G. R., May 14
Lucas, Harvey B., Jan 64
Ludwig, J. R., June 72
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Luzius, Edward F., Mar 88
Lyons, W. W., Sept 14
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Maahs, Carl E., July 10
MacDonald, John L., Apr 16
MacDonald, R., Jan 8
MacKinnon, J. A., Jr., Sept 108
MacKinnon, J. H., May 12
Madden, W. J., Apr 14; May 14
Magnusson, Carl, Nov 18
Maguire, Howard B., Dec 22
Mahoney, C. G., June 64
Maladras, Anthony, Jan 8
Malin, S. V., June 74*
Malloch, D. H., Dec 14
Marcussen, Arthur J., Feb 76*
Mardick, John A., June 72
Marston, Donald E., Aug 12
Martin, J. P. A., May 12
Martin, L. W., Mar 84; Oct 14
Martins, F. R., June 14
Mathews, James R., June 72
Mathieu, J. J., Sept 108
Matschke, D. W., Sept 108
Matteson, E. K., Dec 16
Matula, Theo L., Mar 89
Matzke, Walter W., Jan 64
Mauthe, J. L., Jan 8
May, Lewis L., Jr., May 14
McCaddon, J. W., Mar 84
McCahill, W. T., Sept 14
McConnell, Albert J., Aug 80
McCosh, William C., Feb 76
McCurdy, R. A., Sept 108
McDaniel, R. R., Feb 20
McFadden, F. H., May 14
McFarland, Milton H., May 14
McGinn, Howard J., Mar 89
McGowan, H. A., May 14
McGraw, William J., Sept 109
McGuigan, John M., June 64
McHale, Paul J., May 14
McIntire, E. E., May 14
McKew, Thomas H., Aug 84
McLeod, S. A., Apr 12
McMichael, W. H., Nov 20
McMullen, Albert J., June 70*
McNamara, James E., Oct 52
McWilliams, John P., July 18
Meador, E. C., May 12
Merritt, G. C., June 72
Messimer, Robert P., Aug 84
Middour, Robert C., May 14
Miersch, Donald F., Nov 92
Millard, Maxwell D., Dec 22
Miller, J. H., Aug 12
Miller, J. J., Aug 12
Miller, J. W., Mar 89
Miller, James E., Apr 18
Miller, R. H., July 10
Miller, Robert R., Aug 79
Miller, V. K., June 14
Mitchell, Frank K., Jan 64
Mitchell, J. R., Jan 6
Mitchell, R. A., May 14*
Montgomery, Charles, Jr., Aug 12
Mortuary, Wilson H., Aug 80
Moro, A. V., Dec 22
Morris, John W., Mar 86*
Morse, Robert H., III, July 18
Morse, W. B., Nov 94
Moseley, W. V., Apr 12
Most, George A., Jr., Feb 74
Moyes, Stuart H., Apr 18
Muller, Westley C., Feb 74
Murphy, Austin F., Jan 8*
Murray, F. J., Apr 14
Muschamp, George M., Oct 54
Mustard, Jack L., Mar 88
Mustard, James A., Jr., June 68*

Neebe, Lawrence L., Apr 16
Neill, Joseph U., Dec 18
Nelson, Arthur H., Nov 98
Noble, David H., Jan 6
Nolan, J. C., Oct 54
North, John L., Aug 12
Nuttall, Robert W., Nov 18

O'Brien, Robert R., Oct 12
O'Don, R. E., Mar 86
Odiorne, D. W., Feb 78
Olander, R. J., Feb 74
Oliver, P. R., Jan 6
Olson, Alfred J., Feb 82
O'Neill, J. D., Mar 84
O'Neill, M. M., Apr 14
Onnen, Donald S., Apr 14
Orr, Harry E., Jan 8
Orr, T. J., Sept 108
Osborne, W. W., Feb 20

Palmer, J. E., Mar 84
Park, T. J., May 14
Parker, C. W., Aug 12; Sept 106*
Parker, Carroll C., June 70
Parker, J. C., Mar 84
Parrish, George L., Nov 20
Parsons, R. J., Jan 6
Passchl, R. L., May 12
Paul, S. J., May 14
Peak, F. L., Sept 108
Pease, A. C., Apr 18
Pease, Charles A., Dec 14
Pennell, S. B., Aug 53*
Perkinson, Thomas F., Oct 58
Peterson, V. H., July 18
Phillon, W. O., May 12
Pierce, Walter E., Feb 16
Pittman, Robert W., Oct 58

Poor, Daniel C., Feb 74
Pone, James C., May 14
Porter, F. H., Oct 12
Powers, George R., Jr., Apr 18
Powers, William A., Feb 20*
Presson, Lawrence S., Jr., Sept 109
Price, I. L., Aug 12
Pringle, R., Nov 94
Proctor, Page S., Nov 94

Quirin, L. E., Oct 12

Raether, L. E., Feb 16
Rainey, Hartwell T., Jr., Mar 86; Aug 12*
Ray, A. B., Nov 18
Raymond, Marshall D., Oct 58
Reagan, F. W. A., May 12
Rebel, Paul V., Jr., Jan 10*
Reddington, William J., June 70
Reed, Harry B., June 72
Reed, Ray, Sept 109
Reed, Winthrop B., Mar 88
Reid, Robert E., Oct 54
Reilly, Thomas A., Jr., Dec 22
Reinhard, C. A., Feb 16
Reida, S. J., Nov 94
Reynolds, H. E., July 12
Reynolds, Hugh, June 70
Rhoads, T. A., Jan 6
Rice, P. B., Jan 6
Richardson, D. D., Nov 92
Richardson, Fred, May 14
Richmond, D. H., Oct 12
Rider, H. C., Apr 14
Ristine, John D., Jan 8; Apr 12*
Robinet, Richard A., Feb 16
Robinson, Ralph L., Feb 74
Robowski, Robert A., Feb 16
Rockwell, H. T., Mar 86
Rodd, A. R., July 12
Roderick, Clayton J., Jan 10
Roffe, Fred T., Aug 84
Rogge, Herbert H., Sept 113*
Rohr, Dr. Robert J., Jan 10*
Rollings, E. O., Jr., Oct 14
Ronan, R. J., Jan 8
Roseman, J. E., Aug 12
Rosenstein, Harry B., Apr 14
Ross, H. T., Apr 18
Ross, J. D., Nov 18
Rousselle, E. S., June 72
Rourke, Frank W., July 10
Rowbottom, J. T., June 68
Rowland, Harry R., Sept 112*
Rowley, J. W., Aug 79
Roy, Milo C., Nov 94
Rudel, G. L., Mar 86
Russell, Howard J., Aug 80
Russell, Col. R. E., Sept 108
Russell, Thomas W., Jr., July 18
Ruth, C. C., May 14
Ruttie, J. C., Mar 89
Ryan, C. J., Aug 83
Ryznar, Dr. J. W., June 70

Salerno, J. E., Mar 86
Salisbury, Duane C., June 66*
Salter, Roy L., Feb 74
Sander, H. Wilbur, May 14
Satterfield, Jack P., Oct 18
Sauerman, R. G., Mar 86; Dec 14
Schalter, Roy O., Feb 82*
Schleicher, Wallace M., Sept 112*
Schmidt, J. J., Mar 84
Schmitz, Bernard F., Jan 8
Schuette, Lawrence C., Oct 14
Schub, Charles N., Jr., Jan 10
Schultz, W. R., Aug 12
Schwine, Cecil D., Jr., Sept 109
Scott, Robert N., June 74
Scott, Vaughn E., Apr 14
Scovill, Herbert C., Apr 14
Schell, H. W., May 14
Selbee, A. D., Dec 14
Selby, Henry B., Nov 88
Sellers, Philip E., Sept 112
Sexton, W. C., Sept 108
Shackelford, H. M., May 93
Shaffer, J. E., June 66
Shannon, H. F., Apr 12
Shannon, Kenneth, Mar 88
Shellhorse, Carroll H., Nov 20
Sheppard, W. L., Mar 88
Shuts, Wilbur D., Apr 14
Shutz, Edgar R., Dec 16
Simmons, L. C., Mar 86
Sinclair, H. I., Feb 16
Skutter, John W., Oct 58
Stettveid, Roy A., Dec 16
Smallwood, H., May 12
Smart, Oliver H., Apr 14
Smith, C. W., Oct 54
Smith, Carl F., July 12
Smith, G. Leonard, Feb 74
Smith, George S., Sept 109
Smith, J. A., Mar 86
Smith, J. C., Oct 12
Smith, J. T., Sept 14
Smith, James A. W., Mar 86
Smith, Robert J., Dec 16
Smith, Stuart H., Jan 64
Snedeker, John H., Jan 64
Snow, S. C., July 12
Sorenson, Mark A., Apr 16
Southern, George A., Jr., May 14
Spencer, H. R., Mar 84
Spencer, William H., Dec 18
Spicer, E. L., Mar 84
Spiess, J. P., Apr 12
Spieth, W. S., Sr., June 68

Spoof, D. D., Feb 78*
Stair, Jacob, Jr., June 64
Stamm, Geo. W., Aug 83
Stanz, John K., Aug 80
Stark, Howard, Mar 89
Starr, P. D., Mar 84
Stauffer, H. B., Dec 16
Stearns, Neale E., Feb 82
Sted, Norman M., Dec 22
Steele, Roy, Oct 54
Steele, W. V., Apr 18
Stephens, J. W., Oct 14
Stevenson, Mellor W., Mar 89
Stine, James P., Nov 98
Stoner, Clifford M., Mar 18
Strohl, B. L., Jan 6; July 12
Strona, E. D., May 14
Stucker, R. F., July 12
Suess, Paul A., Dec 22
Sugg, William R., Feb 16
Sundstrom, Edward A., Mar 88
Suter, Harold R., Jan 8
Swain, J. Grant, Dec 22
Swan, J. S., July 12
Swanson, D. A., Sept 108
Swanson, H. G., July 10
Swanson, Raymond F., Oct 14
Symons, Wilson E., Apr 14

Tack, Carl E., Apr 16*; Dec 22
Tate, Robert V., Apr 18
Taylor, Charles A., June 68*
Taylor, Harrison, July 18*
Taylor, R. E., Sept 108
Taylor, William C., Dec 22
Tennysen, T. A., Oct 14
Thomas, Harry H., Mar 89
Thomas, Warren A., Jan 8*
Thompson, N. F., Aug 12
Thorne, G. Gilbert, Sept 109
Tierney, John T., Sept 110
Tobin, R. K., Dec 18
Toloff, C. J., Apr 12
Tomlinson, R. T., May 12
Townsend, Raymond P., May 14
Turnbull, R. P., July 12
Turner, F. S. C., Nov 18

Valley, Harrell G., Jr., Dec 16
Van Hovenberg, H. W., Oct 14
Van Keuren, W. C., Aug 80
Van Winkle, E. M., June 70
Vawter, J. M., July 12
Veenis, Richard M., Dec 14
Venrick, Charles F., June 72
Verlich, Louis J., Feb 16; May 12; Oct 14
Vernon, Douglas W., May 93
Villacres, R. A., Apr 16*
Virden, John C., Mar 89
Vise, Horace M., Jr., Oct 12; Dec 14
Voigt, Lawrence E., Feb 76
Vrooman, Scott, Mar 88

Wahlenmaier, W. F., Nov 94
Waite, Robert H., Aug 80*
Wakem, Francis J., Aug 79
Waldorf, Paul, Feb 74
Waldrup, Archie G., Apr 14
Walker, Alfred R., Aug 80
Walker, Ellis E., Jr., Mar 89
Walker, J. A., Oct 18
Wallace, H. C., Apr 18; Nov 94
Wallace, J. G., Apr 14
Walls, Gordon C., Nov 88
Wardwell, W. C., Jan 6
Ware, W. R., June 64
Warnick, S. R., May 12
Warren, C. Russell, Nov 92
Watkins, Sam R., Feb 74
Watson, W. E., Feb 20
Watts, Robert H., Oct 18
Wearly, William L., Dec 18
Weatherall, W. J., Apr 12
Weaver, C. Robert, Oct 54
Weaver, K. S., Feb 16
Weiser, Joe, May 93
Wellington, Raymond, Mar 18
Wells, Horace V., Mar 89
Welter, W. H., Aug 83
Werner, E. H., June 64
West, Marvin W., Dec 16
Whalen, James, Mar 88
Whitenight, Donovan R., July 12
Wicker, M. G., Nov 94
Wilder, Howard H., Jan 8
Wilder, Robert O., Oct 52
Wiley, C. C., Feb 74
Wilkinson, C. S., July 12
Williams, D. G., Oct 18
Williams, Walworth B., Nov 18
Willihnganz, Dr. Eugene, Oct 54
Willis, Newton H., July 18; Dec 22
Wilson, Rosser L., Feb 74
Wilson, Roy W., Feb 16
Winkle, Marion, Sept 109
Winslade, Leonard, Jan 6
Wochele, H., Apr 14
Woepner, R. L., Aug 12
Wood, G. L., Mar 84
Woodard, Grant C., Aug 83
Woodhouse, W. H., Apr 12
Woodland, B. B., Sept 14
Wright, E. H., Jan 6; July 12
Wright, H. P., Aug 54
Wright, R. H., Mar 86

Yorke, P. H., Feb 78
Young, R. W., May 14
Zane, Robert B., Feb 74
Zundel, Neil W., Mar 89
Zwerner, Gene A., Feb 74

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Byrnes, Edward J., Jr., Dec 22
Capra, A. Lou, Oct 58
Cole, Emmett J., Oct 58
Coolidge, John S., Dec 16
Cornells, Clarence C., Oct 18
DeWitt, Douglas M., Oct 58

Doughty, Leon A., July 18
Hickey, William D., June 74
Johnson, Harold H., Oct 58
Kurfess, L. S., Sept 109
Lewis, F. W., Jan 64
Logmann, Arthur A., Dec 22
Merica, Dr. Paul Dyer, Dec 22

Minter, George D., June 64
Nicholson, James M., Nov 20
Nicksch, Harold E., May 14
Pallowick, William J., Dec 22
Perkins, Joseph Lynn, Jan 6
Ruttger, Fred W., May 14
Shepard, Francis Henry, Aug 84

Sherman, Frank V., June 64
Shoulty, Frank A., June 64
Viele, S. M., Nov 20
Wannemacher, Edward H., Sept 113
Watkins, C. T., Jr., May 14
Wells, Loren S., Dec 16

NEW PUBLICATIONS

ASTM Manual for Rating Motor Fuels by Motor and Research Methods, Feb 16
ASTM Standards on Petroleum Products and Lubricants, Apr 12
AAR Refrigerator Car Fan System Report, Aug 8
Axle Research, Feb 16
Copper and Copper-Alloy Welding Rods, Dec 14
DeVilbiss Service Manual on Spray Equipment, Sept 14

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Recommended Practice for Repair Welding and Fabrication Welding of Steel Castings, Nov 18
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Symposium on Vapor Phase Oxidation of Gasoline, Dec 14
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